

Traffic disruption imminent due to delivery of roof support components for University LRT station

As early as 8 May, the contractor for the LRT station will be delivering pre-cast concrete roof support components to the construction site. The components are of considerable length, spanning the width of the station,

and will cause some difficulty in hauling the units to the vicinity. Trucks will be hauling the components north on 114 Street, turning eastbound left through the 87 Avenue intersection, then southbound right through the

112 Street intersection. The trucks will then back up through the intersection northbound past the Home Economics and Fine Arts Buildings to the construction site.

The City of Edmonton has advised that a traffic delay of

several minutes should be anticipated at the 112 Street and 87 Avenue intersection during each delivery. Flagmen will be present to ensure the safety of pedestrians and drivers during this operation. The number of deliveries will range from between five to 10 pre-cast components per day during the construction hours of 7 am to 7 pm.

Stockpiling of the components will occur within the construction hoarding. Eventually, the pre-cast units will be fastened at each end to the vertical support piles currently under construction. Once fastening is complete, the combined units will form the main roof structure of the station. The University community's cooperation and patience with respect to construction activities is appreciated. □

FOLIO

University of Alberta

3 May 1990

U of A gains six NSERC International Fellows

The University of Alberta has been granted a full complement of six NSERC International Fellowships for 1991. The new Fellowships are intended for non-Canadians, with doctorates from foreign institutions, to enable them to spend up to two years at a Canadian university.

The International Fellowship holders are: JR Cumming, United States, Botany (supervisor: GJ Taylor); Y Gao, People's Republic of China, Mechanical Engineering (supervisor: MG Faulkner); C Lowe, United Kingdom, Chemistry (supervisor: DLJ Clive); T Pang, People's Republic of China, Physics (supervisor: HR Glyde); RM Savolainen, Finland, Zoology

(supervisor: JF Addicott); and MJ Stone, New Zealand, Chemistry (supervisor: JW Lown).

There is a two-stage selection process for the awards. Each university is assigned a quota of nominations and applicants are asked to apply directly to the university of their choice (59 researchers opted for the U of A). Through its own internal selection procedure, each

institution selects a number of candidates, up to the specified limit (the U of A's limit was nine), for recommendation to NSERC. The U of A used a four-person committee organized by the Office of the Vice-President (Research). This committee included representatives of the major NSERC Faculties at the University.

The stipend for 1990 awards—\$28,000 for

12 months—is at the same level as that paid to Canadian holders of NSERC postdoctoral fellowships.

NSERC believes the new program will enable Canadian universities to strengthen their research capabilities by adding highly qualified persons from abroad and that it will be a means of enhancing links with foreign research institutions. □

INSIDE

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- Watts, Cairns appointed to key posts



Public Affairs

Hazel McQuaig, the daughter of Alberta's first Premier, AC Rutherford, chats with President Paul Davenport before the presentation (26 April) of the Rutherford Awards for Excellence in Undergraduate Teaching. The recipients, David Cass, Nancy Kerr, Joan Loomis, and David Tyrrell, were honored at University House. Family members, friends, acquaintances and past recipients of the award, which is named after Premier Rutherford, offered their congratulations.

New Students' Union president believes it's important to offer alternatives

"I think you're taken a lot more seriously if you offer alternatives, even though they may not be the alternatives chosen," says the recently elected Students' Union President. "But it shows that you're thinking and you can see things from other perspectives," says Suresh Mustapha.

And in these tough times, does Mustapha, a 21-year-old genetics honors student, expect that the administration will be listening and heeding students' concerns as closely as he'd like? "In some cases, I can understand the administration's point of view; they've got some very difficult financial problems they have to solve in all the ways they know how to."

Mustapha, who served as the SU Vice-President (Academic) last year, says, however, that University and student priorities aren't always going to be the same. "For example, while a certain level of

tuition increase is probably inevitable, there have to be realistic increases that students can afford. If you're increasing tuition by \$200 a year, within three or four years the cost of your degree has virtually doubled."

And he points out that student financing, loans and scholarships aren't going up that much. As a result, these factors may be increasingly prohibiting people from attending this University, he suggests.

Mustapha, who grew up in Sherwood Park and attended Salisbury Composite High School, says that on the issue of quotas, the University is "caught between a rock and a hard place." The University simply can't take any more students because it does not have the resources to adequately accommodate them, he explains.

Another big issue facing students this year, he says, is that of residences rental rates. "Right now



Suresh Mustapha

but it's one of the things that makes the University world-class. In losing the Boreal, it's not going to drastically affect the main campus, but it's one of those special things that could be lost. So, if you add that to a couple of the other things that we have lost and could be losing, then the quality of education and the quality of the institution is beginning to slip."

On his election, Mustapha, who describes himself as being genetically of East Indian origins and culturally of Trinidadian origins, says he consulted close friends who told him they thought he would be the best candidate, but that people weren't ready for a nonwhite Students' Union leader.

"I looked at them and thought, no, I don't think that's true, I think people are going to elect who they think will do the best job," he says. "With that in mind, I went about campaigning just like any other candidate. The fact that I won and the fact that I'm of ethnic descent and that it wasn't an issue shows that we're really quite a long way down the road to multiculturalism," he says, adding that he's proud of his accomplishments. □

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we're facing an average 13 percent rent increase and, when you look at it, the residences are still going to deteriorate. We're going to be raising the rents, but it's not going to solve the problem.

"That's where we need a really strong lobby to government to say 'look, you've spent \$6 million on residences in Brooks and the University of Lethbridge has beautiful residences,' yet at the same time the government is saying we don't have the money for residences at the U of A. That's something that I think is patently unfair. If there is no money for residences, then why are they being built in the southern end of the province?" he asks.

On the more general question of funding, Mustapha says we're beginning to lose the things that make the University special. He points to the danger of losing the Boreal Institute for Northern Studies as a case in point. "It's something that perhaps isn't the most vital thing to the University,

Meech Lake forum goes 7 May

The Meech Lake Accord is the subject of a forum put on by the Canadian Bar Association with the support of the Faculty of Law.

Four speakers—Marjorie Bowker, Dale Gibson, Allan Tupper, and Gurston Dacks—will discuss the Accord and future developments.

The forum will take place 7 May at 7 pm in 237 Law Centre. □

Studies of sessionals, graduate students available from Equity Office

The Equity Office together with AAS:UA has just completed a Study of Temporary Academic Staff (Sessionals) at the University of Alberta. The study takes the form of a 'discussion paper' and is available from the Equity Office, 1-11 University Hall, telephone 492-7325 or 492-7326. The Council of Chairs has received the study and forwarded it to its executive for recommendations as to appropriate

action.

On another front, the Equity Office has just completed a Study of Graduate Students at the University of Alberta. The study, which examines the climate for graduate students, has been forwarded to the President, to Deans and to the Graduate Students' Association. Copies are available from the Equity Office. □

NSERC's championing of R&D is not without its pressure points

"Whether Canada continues to be a land in which one generation expects the next to do better depends on how we respond to a multitude of contemporary challenges and changes. And the most basic aspect of that challenge is the need to become strong—in absolute terms, and relative to the competition—in research and development."

- Arthur May, President, Natural Sciences and Engineering Research Council

NSERC, a guiding force behind R&D in Canada, has well-defined musculature, releasing as it does annual grants of more than \$350 million. These funds support research and the training of scientists and engineers. The federal granting agency also advances science and engineering by promoting collaboration between universities, Canadian companies and research-oriented federal government departments.

Two years ago, NSERC introduced a number of changes to bring about greater consistency in the evaluation of applicants across disciplines and to improve the adherence by its committees to Council's policies. NSERC's Grants Directorate, in its preliminary assessment of the 1990 grants competition, says the introduction of the Peer Review Manual and a workshop in September for all new members and committee chairs have resulted in an increased quality of peer review.

"Over the past two years, we have stressed with our committees and the community our concern with the operating grant level being perceived as 'the measure of the researcher'. While the overall quality and significance of the past and the proposed research is central to the evaluation, the funding level incorporates an assessment of the relative cost of the proposed research and the capacity of the researcher to exploit those funds.

"Neither an illustrious track record nor a large number of publications or of graduate students are sufficient conditions for an NSERC grant. An NSERC grant is therefore not simply a medal for past performance. It is a funding allocation to foster future research advances. Furthermore, two researchers of comparable quality may have very different grant levels."

NSERC has granted handsome sums of money to researchers at the University of Alberta (see graph). For example, the Faculty of Engineering is awarded at least \$4 million

annually. NSERC is helping new people get established, says Dean Fred Otto. He mentions Mike Williams from Berkeley, Hani Henein from Carnegie-Mellon, and Ming Arao from Rutgers, each of whom recently assumed a tenure-track position in the Faculty. "However, we also have cases where people aren't being supported [by NSERC] and that's unfortunate."

Steve Pawluk, Associate Dean of the Faculty of Agriculture and Forestry, sits on NSERC's operating grants program. He says a wide variety of mechanisms is being used to access the program and "we're taking advantage of them all."

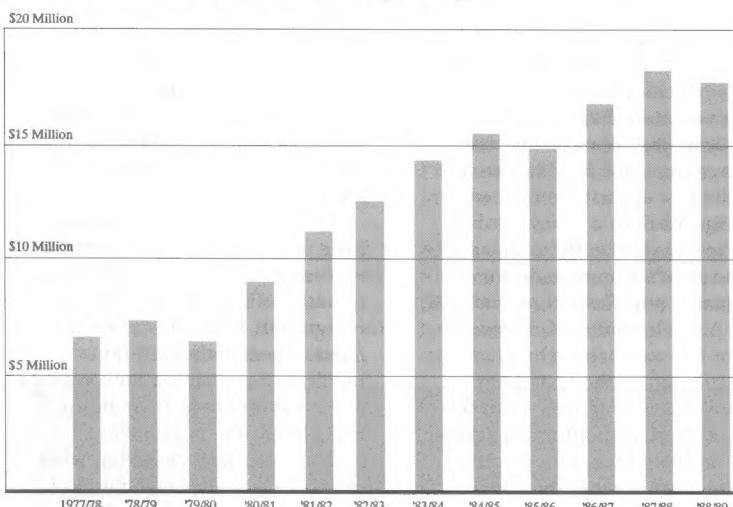
However, Dr Pawluk is becoming increasingly concerned that many proficient, young scientists aren't being funded. NSERC's policy is one of keeping established researchers well funded; this can only be done by restricting the number of starter grants, Dr Pawluk says. What's particularly vexing to Dr Pawluk is that salary structures that are struggling to be competitive make it difficult for the Faculty (and other Faculties) to attract young researchers in the first place. If the Faculty is able to hire these people, it has to play the role of consoler in those instances where NSERC has had to turn down the researchers' first grant applications on the grounds that there isn't enough money available to fund everybody.

To attract more interest in careers in science and engineering research, NSERC has increased the number of undergraduate research awards in recent years. To encourage more bachelor's level graduates to better themselves, NSERC has raised stipends for graduate and postgraduate work. At the master's level, the rate has gone from \$11,600 a year three years ago to \$14,000 this year. At the doctoral level the sum has increased from \$11,600 to \$15,600.

"To increase participation by women," May says, "we believe we need to start building a critical mass in the universities—more women students and more women faculty members. In the coming year [1990] we have earmarked 200 new awards (above and beyond 2,150 that already existed) for undergraduate research by women. We will soon launch a program to encourage placement of women in tenure-track positions in faculties of science and engineering."

May is convinced there is

NSERC UNIVERSITY OF ALBERTA TOTAL AWARDS



"NSERC is the cornerstone of science and engineering research funding at Canadian universities. The University of Alberta is a strong performer in NSERC competitions. The preliminary results for 1990-91 are very favorable and lead us to believe that we will increase our grant level," says Bob James, Vice-President (Research).

"significant under-utilization of research capacity in the universities right now." He feels universities could probably absorb twice as much funding as they are currently receiving without expanding the size of the community.

On the other hand, the human resource challenge looms large and unless it's met May contends that "we will pretty soon arrive at a situation where further infusions of money won't help. At some point, the law of diminishing returns will

kick in—instead of people chasing research dollars it will be the other way around—and the chase will probably be futile."

Canada could assuage the problem by developing what May says every successful industrialized country needs at this time—a science culture—"a popular understanding by people that science and technology are fundamental to our future." □

* Next: NSERC: resources and research programs.

IDEAS 90 at FAB Gallery popular show

IDEAS 90, showing until 6 May at the Fine Arts Building Gallery, represents work done by industrial design students in all three levels of the program.

According to Bruce Bentz (Art and Design), the show includes students who have completed their first projects and the work of students who will be graduating from the program this year.

The product and furniture design projects will help the students learn conceptual, representational, observational and technical skills, says Professor Bentz. Some of the projects, in fact, have real developmental potential.

"One measurement of just how successful the projects are is how much the students learn from the projects," he says, adding that "it's important for the students to learn

how to work with others because this is what happens in the profession."

The show is one of the gallery's most popular exhibitions. □



Public Affairs

Patricia Torchia, a student majoring in art and design, relaxes in a chair designed and constructed by an industrial design student.

Let's get all the facts out, anthropology professor tells commission

The discovery that sexism is rooted in structural inequality (patriarchy) has caused a lot of excitement because it is obviously a more realistic picture of reality than assuming some kind of massive male plot against women, says Helga Vierich.

Speaking recently to the President's Commission for Equality and Respect on Campus, Dr Vierich cautioned, however, that the way patriarchy is "explained in the texts I have reviewed is in terms of current structures, without much attention to causality except in oblique references to what things were like 'traditionally.'"

The anthropology professor, who teaches "Anthropology 210, Gender and Age in Cross Cultural Perspective," said "the only thing holding up the whole edifice is a mistaken assumption about the universality of male dominance which, if examined closely, turns

into the very kind of masculine mass conspiracy theory based on 'superior physical strength' that most of the more serious scholars wrestling with the idea of patriarchy seem to have gone to a lot of trouble to avoid.

"Once the nonuniversality of male domination, and the strong likelihood that it appeared rather recently in the human story, are recognized, then the scholar is faced immediately with the problem of explaining how systems of male dominance arose in the first place," she explained.

"Now you may be asking what possible place all this theoretical discussion has in helping this commission to deal with the issue of sexism on campus. I think it is vital because the basic idea that underlies much modern work in what we call 'women's studies' is not based on all the evidence. It is not, in my opinion, an idea based on a scientific approach. Rather it is

an idea which leaps over the whole issue of causality and simply lays the blame on a structural problem (patriarchy) which is discussed as though it were universal and universally adhered to by men because it assures them of privileged positions relative to women," she said.

"No one will deny that there is a structural problem, but I think a great many people find it simplistic—and even a little fantastic—to brush aside the question of causality in favor of simply laying the blame on the system and, directly and indirectly, on men, who are currently benefiting from the system. In fact, such an approach seems to me to be creating a serious rift between men and women—a rift palpable right here on this campus—but it also does a great deal of damage to the women's movement in general."

She said the idea of patriarchy explains some aspects of the world

and reorganizes the perception in that world for those who believe in it. "It may, and this is what I am most worried about, distort perception in ways that do harm to innocent people. A lot of evil people were no doubt singled out for attention during witchhunts, whether they were witches or not. But a lot of innocent people were burned as well."

"This is why . . . I would like to endorse the suggestion made by Dean of Arts Patricia Clements that the University start a basic humanities course with a significant element of gender studies. We need to get all the facts presented; we need a clear-headed evaluation of where we are going with women's studies. We don't need to add fuel to the fire by increasing the polarization between men and women by actively teaching a theory of gender relations based on inadequate research," Dr Vierich stated. □

Consular Ball Endowment Fund awards scholarship, travel grant

Stewart Sutley's research caught the eye of the Edmonton Consular Ball Endowment Fund Selection Committee. Sutley, a doctoral student in the Department of Political Science, was awarded a scholarship for his research paper titled "Panama and Permanence: American International Law and World Peace in the Late Twentieth Century."

Marie Therese Hostyn, also a graduate student in Political Science, was runner-up (there were six candidates). She impressed the selection committee to the extent that she was awarded a travel grant to assist her in her investigation of "The Cambodian Peace Agreement of January 1990."

The awards were open to senior undergraduate and graduate students in History, Law and Political Science, for projects related to "the study of any aspect of the relationships between nations, and the conduct of these relations, and the organizations established by the international community as a means to facilitate these relations."

The awards were presented at a reception at University House, 11 April. □



Services

Stewart Sutley (right), is congratulated by "the Dean" of the Consular Corps, Consul-General G Braumueller of the Federal Republic of Germany (far left). Brian Evans, Associate Vice-President (International Affairs), and Christian Graefe, Honorary Consul of Finland, also participated in the presentation.

In search of Ostracoderms

Ostracoderms, strange, jawless, eel-shaped fish with bony outer skeletons, have long held a place of honor in the Paleontology Museum. Soon, these rare specimens of some of the earliest vertebrates, closely related to our own ancestors, will share the spotlight with more of their kin.

In the late 1970s, Brian Chatterton, Chair of the Department of Geology and an expert on invertebrate fossils, collected the ostracoderms and other fossil fish now in the museum during a field trip to the Mackenzie Mountains in the Northwest Territories and to the High Arctic. He found that these unusual creatures of Silurian and Devonian age (about 410 million to 390 million years ago) coincidentally appeared in the rocks with the fossils in which he was interested. This summer, with grants from the Central Research Fund and the Boreal Institute, Mark Wilson, Curator of Fossil Fish in the Laboratory for Vertebrate Paleontology, and graduate students will return with

Chatterton to the western edge of the Northwest Territories to search for more ostracoderms and other fossil fish.

"We would really like to find early vertebrates with jaws, in Silurian rocks. We hope to be able to trace the layers of rock, to find the mother lode," reports Professor Wilson. "And, we'd like to find Canadian examples of Ordovician fish—that's the next older period, roughly 450 million years ago—those are the oldest known vertebrates."

He explains why the museum's specimens, part of the best collection of fossil fish in Canada, older than those in the National Museum, are considered so significant for paleontological research. "The preservation is really amazingly good; there are complete specimens with all parts of the skeleton still attached . . . and some of them are very primitive." Without an organized collection, researchers might have overlooked them, Dr Wilson notes. "The specimens probably would have remained in a drawer. Instead, when we were preparing them for teaching and exhibition, we realized they were also significant for our research."

Thanks to Dr Chatterton's earlier expedition, the sizable Vertebrate Paleontology Collection contains several thousand specimens, not all complete, which researchers have been able to study and compare. As a result, Dr Wilson and colleagues have revealed some interesting discoveries about a primitive fossil fish with one of the oldest examples of a tail in vertebrates.

"It is certainly very different from what you see in textbooks. There have been errors of interpretation in the past and a lot of the text pictures are not typical. Our work shows that some tail shapes that were thought to be very much later in appearance were actually present in some of the most primitive animals."

This year, two papers by Dr Wilson and graduate student Ken Soehn will appear in the *Journal of Vertebrate Paleontology* and



Silurian ostracoderm fish from the Mackenzie Mountains, NWT, 5 cm in length.

Birss Lectures open with development of computational chemistry

Imre Csizmadia of the University of Toronto's Department of Chemistry will deliver the Fraser W Birss Memorial Lectures, 14, 15 and 16 May.

The basic thesis in this lecture series is that, with the incorporation of computational methods and techniques, chemistry, in general, and organic chemistry, in particular, have become exact sciences.

Dr Csizmadia's first lecture, "Chemistry as an Exact Science," will follow the development of computational chemistry, with emphasis on its current situation, its prospects for the future, and its technical and social limitations. The other two lectures, "Computed Gas Phase Basicity for Ground and Excited States" and "Multi-dimensional Conformational Analysis and Conformational

Potential Energy Surface Topology," will then illustrate the above thesis.

Dr Csizmadia obtained his Diploma of Chemical Technology at the Polytechnic University of Budapest and his MSc and PhD from the University of British Columbia. A Professor of Chemistry at the University of Toronto, he is also President of the World Association of Theoretical Organic Chemists.

The Fraser W Birss Lectures to recognize the contributions of Professor FW Birss, who was associated with the Department of Chemistry from 1959 to 1987. The lectures are organized by the department and sponsored by IBM Canada Ltd. All lectures will be held in V-107 of the Physical Sciences Complex. □

in *Natur Wissenschaften* detailing their findings. "Some of the results we've obtained and the illustrations that we've published are of such high quality that we think they will make their way into textbooks and reviews and will become classic examples in time."

This July, above the tree-line in the Mackenzie Mountains, hundreds of kilometres from the nearest settlement, Dr Wilson and others will set up their base camp.

For the next two weeks, they will accompany Dr Chatterton to the sites he first explored 10 years ago, hoping to find more paleontological "treasure," fossils of the world's first vertebrates.

On campus, you can find ostracoderms in the Silurian display case, in the Paleontological Museum, in the basement of the Earth Sciences Building (B-01). The museum is open from 8:30 am to 4:30 pm, weekdays. □

CASE invites nominations for Canadian Professor of the Year

The Council for Advancement and Support of Education (CASE) is observing the 10th year of its Professor of the Year Program. This year, the judges will select one Canadian Professor of the Year. That individual will receive media recognition, a personalized citation and a \$1,000 cash award donated by Merck Frosst.

A university can nominate up to three teachers for the award. The entry form must accompany a one-page *curriculum vitae*, and up to six letters (one to two pages) from current or former students, colleagues, the president of the institution, deans, or any others

who support the nomination.

CASE's panel of experts looks for: extraordinary commitment to teaching; service to the institution and the profession; balance of achievement in teaching, scholarship, and service; and evidence of impact on and involvement with students.

An entry fee of \$40 is required for each submission. The deadline for entries is 1 June 1990. Entry forms are available from the Office of the Committee for the Improvement of Teaching and Learning, 302E Students' Union Building. □

Free press versus fair trial: complementary or conflicting values?

The concepts of free press and fair trial often complement one another, "but equally often they tend to conflict," Justice Tevie Miller said in opening the Centre for Constitutional Studies' third national conference on constitutional affairs, titled "Freedom of Expression and Democratic Institutions." The conference was held 19 to 21 April in Edmonton.



The Court of Queen's Bench of Alberta Justice, opening the plenary session of the conference titled "Freedom of Expression and the Administration of Justice: Free Press versus Fair Trial," said the proponents of free press argue that everything done in the judicial process should be subject to the highest degree of openness.

"Many of us involved inside the system argue with equal conviction that some limits on this openness are critical to ensure a fair trial," he told lawyers, journalists and academics from across the country attending the conference. "Often the argument will centre on the attainment of a fair balance, or a compromise, between these two fundamental concepts."

Peter Desbarats, Dean of the School of Journalism at the University of Western Ontario, pointed out that 43 states in the United States now permit cameras in their court rooms and the few remaining barriers seem destined to fall. "In Canada, the decision of the Commons to permit the televising of its committees, the common practice of televising provincial inquiries, and the proposal to

expand the CBC's parliamentary channel into a 24-hour public affairs channel similar to C-SPAN in the US undoubtedly is going to increase the pressure to open the doors of our own courts to television," he said.

"When this decision is made—as it will be inevitably—I hope that our judges and lawyers will take advantage of the opportunity to use it as an occasion to reaffirm their belief in an open society, guided by the common sense of an informed citizenry," he said.

Stanley Cohen, Coordinator, Criminal Procedure Project, Law Reform Commission of Canada, who had a hand in a working paper on public and media access to the criminal process, said the public's interest in the law and the courts has never been higher.

He said the commission has identified 20 statutory limitations limiting the public's access to the criminal process. "The fact that these restrictions exist sheds very little light on the intrinsic worth of any of them." There are three basic categories that these restrictions fall under: status, procedural justice and public interest concerns, he explained.

Cohen said the commission has recommended that there be an

explicit recognition that all court proceedings be conducted in public subject only to a few exceptions. The commission also supports a national experiment with electronic media coverage to determine what effect the presence of electronic media would have on the process, he said, adding that cameras should be allowed as an interim measure in appeal courts.

"If openness leads to injustice then what we don't have is open justice, we have open injustice."

"I frankly find the resistance that we have encountered to our limited suggestions to permit cameras baffling; to my mind, there is a certain inevitability to cameras finding a proper place in the visitors' galleries," he said, adding that the commission is prepared to be proven wrong, but that this must be done on the basis of Canadian data.

Harold Levy, a member of the editorial board of *The Toronto Star*,

said he questioned whether there could be justice without openness. He said there is enormous potential for abuse if proceedings are held behind closed doors. Publicity is sometimes uncomfortable and embarrassing, but necessary if justice is to be done and if justice is to be seen to be done, he said. In Canada, Levy noted, we are moving towards a "no-name system" of criminal justice.

David Lepofsky, Counsel, Constitutional Law and Policy, Attorney General for Ontario, speaking in a personal capacity, suggested that, "The concept of open justice that we have arrived at in 1990, far from being fraught with the evils and risks that my predecessors have suggested, is in fact a delicately balanced, sophisticated and quintessentially Canadian conception, which attempts to rid itself of the oversimplification that enters this debate.

"'Open' is not the only part of the equation," he said. "If openness leads to injustice then what we don't have is open justice. In striking a balance between the competing

Free press continued on page seven

What ever happened to promises of open government?

Explaining what it's like to "fight in the trenches" against government secrecy, journalist Stevie Cameron said 20 April that more information could be obtained before access to information rules were enacted.

The Globe and Mail reporter, a workshop panelist addressing "Government Secrecy: The Valour in Discretion and The Value of Disclosure," said, "Today a lot of journalists and bureaucrats are concerned over what they perceive to be growing government secrecy.

"Access officers say that one of the problems is that Canada is making up its laws as we go along; there is very little jurisprudence in this area of access, because the laws only came into effect in 1983," the author of *Ottawa Inside Out* explained. "The United States has much more because their laws came into effect 20 years ago."

She pointed out that Auditor

General Ken Dye cannot get audits he used to receive or feels he should receive, particularly crown corporation audits which are increasingly going to the private sector—again, another growing area of government secrecy.

One of the most frustrating things for journalists is how much information about crown corporations is unavailable under access to information laws. For example, you can get crown corporation annual reports, but you can't get any information about the subsidiaries, she explained. "That's why we have to wind up relying on tips, informants and brown paper envelopes."

Other signs of growing government secrecy include: a greater use of oral briefings and use of paper shredders; bureaucrats' suspicions that their phones are being tapped by a

government anxious to determine where press leaks are occurring; preferential treatment and access for sympathetic journalists by the federal government; and contract splitting so that contracts under \$50,000 will not have to appear in the public accounts.

Co-panelist Jean Jacques Blais, a member of the Security Intelligence Review Committee and a former Trudeau cabinet minister, said there is a tendency of people in government to overclassify documents. "More and more, this government is doing away with paper," he said.

Justice David McDonald, Alberta Court of Queen's Bench, said that even within government, secrecy can be carried to such an extent that the efficiency of government, the effectiveness of government and the effectiveness of security intelligence can be affected. □

Canadian hate laws are too dangerous, Borovoy tells conference

Canada's hate laws are too dangerous, says Alan Borovoy, the General Counsel for the Canadian Civil Liberties Association.

The high-profile, civil liberties advocate, speaking on the topic "Racist Incitement: Freedom to Debate or Freedom to Promote Hate?" said, "After all we've been through in the 20th century, it is hard not to want to suppress some of the racist invective to which we are periodically subjected."

"The problem that we face when we deal with racist invective, is how we are going to formulate a prohibition so precise that it will nail the hate mongers we'd dearly like to get, without running the risk of catching in the same net a lot of other speech which we know would be unconscionable for a democratic society to suppress."

"How does a blunt instrument like the law distinguish destructive hatred from constructive tension?"

"When you prosecute someone criminally, you are often forced to debate the merits of their position and small wonder then that in the Zundel trial you have a discussion in court over the monstrous proposition that Auschwitz was not a Nazi death camp but a Jewish country club. The risk of farce is endemic to the very nature of the proceedings. And why should we run all these risks?"

"And one can ask the question, 'Are we really so bereft of ingenuity and resources that we cannot contain the influence of the hatemongers without running the kinds of risks that this legislation entails?'"

Free press continued from page six
concerns, we must look at all of them. "The title free press/fair trial debate suggests that there are only two issues on the agenda." There are other values at stake and other actors involved that must be balanced as well, Lepofsky said.

The courts, he continued, have recognized fair trial as a compelling objective warranting at least some restrictions on free press and the importance of guaranteeing the right of access to justice. "That means that the justice system is of no use to us, if those who need to seek justice feel that the court house is inaccessible to them."

"It's all well and good to say that

In the Keegstra case, for example, he was removed from the classroom, decertified as a teacher and ousted as the mayor by the voters, all before a criminal charge was laid. "He should have been allowed to wallow in obscurity he so richly deserved."

Irwin Cotler, of the McGill University Faculty of Law, disagreed with Borovoy. Citing an Ontario ruling by Justice Peter deC Cory, Cotler argued that the legislation prohibiting the wilful propagation of hatred against identifiable groups, section 319.2, is one of the most narrowly drawn statutes in the criminal code.

"How does a blunt instrument like the law distinguish destructive hatred from constructive tension?"

Cotler pointed out that if Canada had not enacted legislation to prohibit all forms of racial incitement, it would likely be in violation of the International Convention of the Elimination of all Forms of Racial Discrimination, to which Canada is a signatory along with another 126 countries.

He said freedom of expression must be read in the light of Canada as a multicultural Western democracy. He pointed out that at least 19 other free and democratic societies have adopted similar legislation, some of which is not as narrowly drawn as is Canada's.

What's involved here is not

we ban and made a crime of sexual assault and intend to punish perpetrators, but if media publicity of victims' names will deter many complainants from ever coming forward, then we have denied them their access to justice."

Lepofsky pointed out that the media often claims to act as the public's agent. But the public elected the government not the media, he said, and neither is the media directly accountable to the public. He said media claims that it is serving an educative function by reporting the court process are also suspect. The media is governed by news values, he said, which are not geared towards education. □

simply freedom of speech, but it is also an equality issue, he said. "If you systematically disseminate hate propaganda against an identifiable group, over time you reduce the standing and respect of that group in society."

The genre of racial incitement is not protected speech under *The Charter of Rights and Freedoms*, he said. "To allow racial incitement to be protected would be to give free speech a bad name."

Cyril Levitt, of the Department of Sociology at McMaster University, said an understanding of the attitudes and actions of the justice system of the Weimar Republic of Germany, which preceded the Nazi reign, will enhance our sensitivities of the issues.

"The struggle against racist anti-Semitism was not considered a high priority in the Weimar Republic by the democratic republican political parties, trade unions, churches and other mass organizations in Germany until the fateful election of September 14, 1930, which saw the Nazi Party increase its parliamentary representation from 12 to

107 deputies.

"There was a legal system which offered Jews protection under law as imperfect and flawed as that system may have been. Had the administration of justice functioned perfectly and had all the draft amendments to the criminal code been enacted, extending legal protection even further, it is hard to see what difference this would have made in a political culture which was to a significant degree anti-democratic.

"The law can only be an effective instrument in containing, discouraging and controlling racist expression if it is founded upon a sound, democratic political culture," he said. "This doesn't mean necessarily that we should abandon the law altogether as a regulator of racist expression," he said. "The law should not be seen as a first or even a prominent line of defence. We should put our efforts into programs of education, political involvement in the community, and funding for programs which lead to tolerance and understanding between groups and communities." □

ACTIVITIES

The release of the action plan developed by the Premier's Council on the Status of Persons with Disabilities occasioned the presentation of a plaque to Jerome Schein (David Peikoff Chair of Deafness Studies, Faculty of Education). Professor Schein was Chair of the Council's Subcommittee on Deaf and Hard of Hearing Issues, and sat on two task forces that worked a full year on the action plan . . . LC Green (University Professor) spoke to the Conference of the American Society of International Law, Washington, on the US invasion of Panama. He also participated in nine panels at the University of Colorado Conference on World Affairs . . . Christine Davies (Law) participated in six panels at the same conference . . . Hans Gottinger recently fulfilled a Distinguished Visitor appointment in the Department of Finance and Management Science. Dr Gottinger is a professor in the Institute of Management Science, University of Maastricht, the Netherlands, and Institute Director, Fraunhofer-Institute for Technological Forecasting, Euskirchen, West Germany . . . The University of Alberta and Thailand's Maejo Institute of Agricultural Technology have established an institutional linkages program aimed at helping Thailand to raise standards of living and incomes for people working in the agricultural industry, including rural women and poor farmers . . . S Vinh (History) has been awarded the Tokutomi Soho Prize by the Tokutomi Soho Society for his "longtime contribution" to the study of this leading Japanese intellectual. In late March, he was interviewed by Japan's national television (NHK) on the Iwakura Mission to the US and European countries in 1871-73. The program was broadcast in Japan in late April.

Tyrrell says teaching is one of U of A's most important and visible functions

Clearly, teaching is one of the University's most visible and important tasks, says David Lorne Tyrrell (Chair, Medical Microbiology and Infectious Diseases), one of the recipients of the 1990 Rutherford Award for Excellence in Undergraduate Teaching.

"I found over the years that it's a lot of fun to try to emphasize and demonstrate to medical students the importance of basic science to medicine," says Dr Tyrrell, adding that teaching involves trying to simplify and clarify complex issues.

"I've always tried to emphasize how basic principles can be applied to clinical problems," he says. In medicine, if you can give interesting clinical examples, it makes it much more interesting and memorable for the students. But, Dr Tyrrell says, "you have to be careful that you don't let clinical anecdotes dominate your lectures."

Dr Tyrrell says over the years he has learned how important infectious enthusiasm is. "To be a good teacher you have to enjoy teaching and feel comfortable in the classroom. You also have to have an ability to interact well with students."

Dr Tyrrell, who still feels that special element of excitement before entering the classroom, says "teaching is enjoyable when students respond and ask questions." All too often, students feel inhibited and chances are that one student's question is also another student's question, he explains.

He indicates, however, that



Public Affairs

Dr Tyrrell is a practitioner of infectious enthusiasm.

teaching takes time. Every hour of teaching time normally takes eight hours of preparation, he says, noting that his wife and three children have been extremely tolerant and understanding about the time he must devote to teaching and research.

Dr Tyrrell, who, in the company of a team of researchers, has been looking at possible treatments for the hepatitis B virus, points out that teaching also has other rewards. "Some of the teaching I did in an advanced virology course led to some ideas on how we might be able to develop some anti-viral

therapy for the treatment of chronic hepatitis B infection."

Dr Tyrrell says his interest in teaching really began when he was a graduate student at Queen's University. Gerry Marks, who assumed the Chair of Pharmacology at Queen's, had been an outstanding teacher of pharmacology at the U of A. "He had never had a course in medicine, and I had just finished interning at the U of A," Dr Tyrrell explains. "During the summer we prepared a new course for pharmacology at Queen's. We rehearsed these lectures carefully,

and Dr Marks would give me clues on how to improve the basic science aspects of my lecture while I would advise him on some of the clinical relevance of the basic science that he was presenting in his lectures. This was probably the most valuable experience that I have had in my training to become a teacher."

Dr Tyrrell says Cecil Couves, one of the country's foremost experts on cardiovascular diseases who was a professor of surgery at the U of A in the early 1970s, was also instrumental in helping him refine his teaching methods. □

Kerr says teaching the most important thing she does

In order to be a good teacher, it's important to be prepared and make a real commitment to teaching—and that means not just glancing over notes 20 minutes before class begins, says Nancy Kerr, a 1990 recipient of the Rutherford Award for Excellence in Undergraduate Teaching.

Dr Kerr (Clothing and Textiles) says, "I keep updating my lectures so that the material doesn't become old and stale." Dr Kerr, who considers herself to be a "traditional lecturer", says she is always trying to improve her teaching technique. "It's never perfect and you have to strive to do better."

Kerr does that, in part, by attending CITL seminars; these provide her with reminders to improve her methods and with new ideas she may want to incorporate in her lectures.

"I try to make things as visual as possible," she says, and that includes using diagrams, formulas, flow charts and textile samples. "Students remember samples and they can remember diagrams longer than they can words."

Dr Kerr says one of the most important aspects of teaching is to create a climate of mutual respect and one which is conducive to learning. "I encourage give and take and if the students know what to expect from you, they're more willing to ask questions." She points out that consistent behavior in the way a professor presents him or herself is very important. Providing a clear outline at the beginning of every class enables

students to more clearly follow the lecture.

Dr Kerr attempts to establish personal contact with her students; it's important for students to realize that they're not just a student number. Time, however, places limitations on Dr Kerr's ability to do this, but it is nevertheless important for students to feel that the professor is committed to teaching, she explains.

She says another way of making students feel as if they matter is by providing feedback on their papers and exams. "That feedback is so important," she says, and students learn what a good explanation looks like when it's pointed out to them.

Dr Kerr says devoting a lot of time to lecture preparation may sometimes take time away from research activities. But, she points out, teaching is a much more immediate need and the rewards are much more immediate. □



Public Affairs

Give and take is a staple in Nancy Kerr's classes.

Watts appointed Associate Vice-President (Finance)

Peter Watts has been appointed Associate Vice-President (Finance), effective 1 July. He succeeds Alan Rennie who is retiring from the University 30 June.

Peter Watts has been at the University since 1974, having previously worked in England with Rolls-Royce as Manager of Systems Procedures before coming to Canada in 1968 to take up an appointment as Coordinator of

University Information Systems at Queen's University.

At the U of A, Watts was Director of Administrative Systems from 1974 to 1988, with a brief period (1984-85) as Acting Associate Vice-President (Administration). In 1988 he was appointed Director of Budget and Statistics following the amalgamation of the Budget Office and Institutional Research and Planning. □

CURRENTS



Open house for parents

As part of its 75th Anniversary Celebrations, the Faculty of Pharmacy and Pharmaceutical Sciences is holding an open house for parents, relatives and friends, Saturday, 5 May. The event starts at 1 pm with an assembly; tours of the Faculty (these take in a number of displays) will follow.

Further details may be obtained by calling 492-3362.

Interested in diabetes research?

A new drug, Tolrestat, is being tried in an effort to prevent eye or kidney disease in people with Type I or Type II diabetes. Tolrestat has been used with some success in the treatment of neuropathy and is now being tested in people with diabetes to see if it can delay the onset of eye or kidney complications. If you have either Type I or Type II diabetes without serious eye damage already and are interested in this long-term study, call the Metabolic Centre, University of Alberta Hospitals (492-6696) about the Tolrestat Study.

Writing classes and workshops

The following noncredit courses are about to start: "Writing for University", "Writing Lab", "Business Writing", and "Revising and Editing Your Thesis".

For information concerning fees and schedules, call Effective Writing Resources at 492-2682.



University
of
Alberta

If you have not returned a previous attendance form and you plan to attend the Installation Ceremony, please complete and return this section to:
Colleen Sutherland
Office of the Registrar
201 Administration Building
by May 25, 1990.

Note: Please call Colleen at 492-1952 if you are an Academic staff member and wish to join the procession.

University presents 'An Evening with André Brink'

South African novelist and critic, André Brink, will give a public lecture and reading on campus, 10 May.

Brink, a leading writer and critic of South African apartheid, will speak at 7 pm in L-1 Humanities Centre. The presentation is titled "South Africa: Writing in a State of Siege."

Controversial South African issues and racial problems are predominant in many of Brink's 13 novels, and he has encountered

much opposition and censorship in his homeland. His books include *A Dry White Season* (recently filmed with Marlon Brando and Donald Sutherland in the lead roles), *Looking on Darkness*, (1975), *An Instant in the Wind* (1976), *A Chain of Voices* (1982), *The Wall of the Plague* (1984), and *States of Emergency* (1988).

André Brink has been nominated twice for the prestigious Booker Prize for Literature in England, and he has won the most important

South African literary prize—the CNA award—three times. Brink is the only author to receive the CNA Award for works in both Afrikaans and English. In 1980 he received the Martin Luther King Memorial Prize and the Prix Médicis Étranger in France.

André Brink is a professor of Afrikaans and Dutch Literature at Rhodes University, South Africa. "An Evening with André Brink" is sponsored by the University of Alberta.□

Cairns to direct Office of Budget and Statistics

William Cairns has been appointed to the position of Director of the Office of Budget and Statistics.

Bill Cairns graduated with first class honors in Mathematics from this University in 1969. He received his MSc degree in 1975, also from the University of Alberta, in Mathematics. Before joining the Office of Institutional Research and Planning in 1975, Cairns acquired more than five years of teaching experience during graduate studies as a graduate teaching assistant. In 1987 he was appointed Assistant Director in Budget and Statistics as IRAP gained a new title following amalgamation with the former Budget Office.

Cairns succeeds Peter Watts as Director of Budget and Statistics, effective 1 July.□

The President and the Senate invite all members of the University to the Installation of

Mr Sandy A Mactaggart

as the

Fourteenth Chancellor

of the
University of Alberta

June 12, 1990

2:00 pm Installation Ceremony and
Part VI of Spring Convocation
Northern Alberta Jubilee Auditorium

RSVP using the tear-off section below
by May 25, 1990

Installation Ceremony Reserved Seating

Please send me a reserved seat ticket for the ceremony.

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CAMPUS ADDRESS _____

CAMPUS TELEPHONE _____

Folio

Display Advertising

Folio is the official news publication of the University of Alberta, published every Thursday throughout the academic year; published biweekly during the summer. It has a regular distribution of 9,200 of which 8,500 copies are circulated to teaching and support staff, to graduate students and to other interested people on campus. The remaining copies are sent to provincial and municipal government personnel, news outlets, and businesses and people off-campus.

Sizes and rates

The basic unit size in 11 picas x 23 picas (3 13/16 x 1 13/16). The full page is divided into 10 such units, any combination of which is available at a cost of \$40 per unit (minimum 1 unit). Half page cost: \$200. One column cost \$100. There is a 25% discount for University departments. A 10% discount is offered for five or more consecutive insertions.

Other Specifications

Half-tones (100-line screen or less) are acceptable; no color or bleeds; Camera ready copy is necessary; there is a charge of 35c per word for typesetting, and \$7.50 for adjustment of design work.

Deadlines

Deadline for submission is 3 p.m. one week in advance of desired publication date. Acceptance of advertisements and positioning are at the discretion of the Editor. For more information, telephone (403) 492-2325 and ask about *Folio* display advertising, or write to:

Folio Display Advertising
Office of Public Affairs
423 Athabasca Hall
University of Alberta
Edmonton, Alberta T6G 2E8

Folio moving to biweekly schedule

Folio will publish biweekly from May through August.

Publication dates are: 3, 17 and 31 May; 14 and 28 June; 12 and 26 July; and 9 and 23 August.

The standard deadlines—9 am the Thursday preceding publication for copy and "Events" material and 3 pm the same day for display and classified advertisements—will remain in effect.

Folio will resume weekly publication 6 September. □

EVENTS



Talks

Anatomy and Cell Biology

3 May, 4 pm Rex S Spendlove, president, Hyclone Laboratories Inc, Logan, Utah, "Fetal Bovine Serum Standardization" and "A Computer Correlation Program to Determine Serum Components that Influence Cell Growth." 5-10 Medical Sciences Building.

8 May, 4 pm Douglas Green, "Activation-Induced Cell Death in Developing T Cells and T Cell Hybridomas." 5-10 Medical Sciences Building.

Chemistry

7 May, 11 am Richard L Schowen, Solon E Summerfield Professor of Chemistry and Biochemistry, University of Kansas, "Charge Relay and the Catalytic Power of Proteases." E1-60 Chemistry Building. 8 May, 11 am Professor Schowen, "Regulation and Catalysis in Enzymes." E1-60 Chemistry Building. Both lectures presented by the Organic Chemistry Graduate Students' Association.

Computing Science

7 May, 3:30 pm Jennifer Seberry, Centre for Computer Security Research, University of New South Wales, Canberra, Australia, "Secret Sharing in Communication." 619 General Services Building.

Rural Economy

11 May, 2 pm J Brian Hardaker, Department of Economics, Australian National University, "Strategies for Rural Sector Development in the South Pacific Islands." 519 General Services Building.

Alberta Heritage Foundation for Medical Research

4 May, 9 am Rosemary Cornell, Department of Biochemistry and Chemistry, Simon Fraser University, "Cloning and Expression of CTP: Phosphocholine Cytidyltransferase: An Amphipathic Protein that Controls Phosphatidylcholine Biosynthesis." 207 Heritage Medical Research Centre. 17 May, noon Daniel A Goodenough, professor, Department of Anatomy and Cellular Biology, Harvard Medical School, "Problem-Based Teaching in Medical Education: The New Pathway of Medical Education at Harvard Medical School." 5-10 Medical Sciences Building. 17 May, 4 pm Dr Goodenough, "Connexins with Connexins in *Xenopus Oocytes*." 5-10 Medical Sciences Building. Both lectures presented by Anatomy and Cell Biology.

The Arts

Exhibitions

FAB Gallery

Until 6 May "5th Annual IDEAS Exhibition." 1-1 Fine Arts Building. Hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Saturday and Monday, closed.

McMullen Gallery

Until 1 June "Animals in Art"—pictures and sculptures of animals by contemporary artists. Hours (volunteer assistance permitting): Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm; closed on statutory holidays. Information: 492-4211 or 492-8428.

Music

8 May, 8 pm Doctoral Recital—Grant Maxwell, piano.

10 May, 8 pm Master's Recital—Darlene Schubert, soprano.

13 May, 8 pm Academy Strings Concert. Norman Nelson, director. Admission: \$5/adults; \$3/students and seniors. All events in Convocation Hall.

Edmonton Youth Orchestra

13 May, 3 pm First Edmonton Youth Orchestra Concert. Program includes works by Vaughan-Williams and Mendelssohn. Adults, \$5; students and seniors, \$3. Tickets at the door. Convocation Hall. 436-7932.

27 May, 3 pm Second Edmonton Youth Orchestra Concert. Adults, \$3; students and seniors, \$2. Tickets at the door. Convocation Hall. 436-7932.

Studio Theatre

3 to 12 May "Play Memory" by Joanna Glass. Director: Dennis Theodore, MFA candidate. Information and tickets: 492-2495.

Award opportunities

HW Wilson Scholarship

The Faculty of Library and Information Studies is pleased to announce the availability of a \$1,000 entrance scholarship to be awarded each year for

the next five years. All qualified applicants will be considered for the HW Wilson Scholarship, to be awarded on the basis of academic standing and professional promise as indicated by the letters of reference.

The HW Wilson Company is providing each COA accredited program with this scholarship, over a five-year cycle, as part of its continuing support for graduate library education.

Deadline for completed applications: 15 June 1990.

Sandra Garvie Memorial Fund

An award of a value up to \$1,000 has been created to assist an individual to pursue a course of studies or to undertake research into the library or information aspects of public legal education. The purpose of the grant is to encourage individuals to improve their knowledge of this field and, in turn, to add to the existing body of knowledge in this area. Candidates may be enrolled in a formal course of study or may undertake an independent learning activity.

Apply to: The Sandra Garvie Memorial Fund, c/o Lois Gander, Executive Director, Legal Resource Centre, Faculty of Extension, 10049 81 Avenue, Edmonton, Alberta T6E 1W7.

Applications deadline: 30 June of each year.

Osgoode Society Fellowships

The Osgoode Society is offering two fellowships valued at \$10,000 each to encourage research and writing in Canadian legal history. The award is to be used as income replacement and does not support research costs.

Competition deadline: 15 October 1990.

Further information from Research Services, 1-3 University Hall, 492-5360.

Positions

The University of Alberta is committed to the principle of equity in employment.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Academic

Assistant to the Associate Dean, Faculty of Arts

Rank and salary: This Administrative Professional Officer position reports to the Associate Dean, Academic Programs and Undergraduate Students, Faculty of Arts. The position has 516 Hays Points. *Position description:* The incumbent is accountable for the administrative direction, coordination and control of the support services provided by the Student Programs Office. This encompasses administrative and personnel management; space management; financial planning, forecasting and control; involvement in student petitions, grade appeals and academic offence matters; development and implementation of interdepartmental guidelines within the Faculty relating to student program matters; and the operation of the student records section which includes admission, registration, programs, graduation, and academic standing.

Qualifications: Applicants must possess proven administrative abilities and effective communication skills. Familiarity with computer spread sheet programs is desirable. Applicants should hold a university degree but recognition "be given to experience."

Posting date: 1 August 1990.

Applications: Applications, including a curriculum vitae and names of three referees, to be forwarded to: Dr LK Penrod, Faculty of Arts, 6-7 Humanities Centre, University of Alberta, Edmonton, Alberta T6G 2E5. Application deadline: 22 May 1990.

Support Staff

The limited number of vacancies is a result of the current Support Staff hiring freeze, effective 1 January 1990.

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 27 April. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Positions available as of 27 April 1990.

The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program.

Clerk Typist, Grade 4, Physical Therapy, (\$1,602-\$1,973)

Senior Clerk, Grade 5, (Temporary), Pension and Benefits Administration, (\$1,749-\$2,166)

Clerk Steno, Grade 5, Office of the Registrar, (\$1,749-\$2,166)

Systems Control Clerk, Grade 5, Physical Plant, (\$1,749-\$2,166)

Secretary (Excluded/Half-time), Grade 6, Personnel Services and Staff Relations (Classification), (\$957-\$1,193) (prorated)

Secretary (Excluded), Grade 6, Personnel Services and Staff Relations (Employee Relations), (\$1,914-\$2,386)

Medical Steno (Split-funded), Grade 6, Pediatrics, (\$1,914-\$2,386)

Office Services Senior Clerk (Benefits Assistant/Academic), Grade 6, Pension and Benefits Administration, (\$1,914-\$2,386)

Programmer Analyst, Grade 9, University Computing Systems, (\$2,436-\$3,089)

Programmer Analyst (Business Analyst), Grade 9, Office of the Registrar, (\$2,436-\$3,089)

The following positions retain salary rates in accordance with the previous classification system and pay plan.

Technician I (Trust), Pediatrics, (\$1,705-\$2,189)

Technician I (Trust), Psychiatry, (\$1,705-\$2,189)

Laboratory Technologist I (Trust), Provincial Laboratory, (\$2,100-\$2,710)

Technologist I (Trust), Anatomy and Cell Biology, (\$2,100-\$2,710)

Administrative Assistant (Conference Coordinator), Grade 8, Housing and Food Services, (\$2,251-\$2,839)

Advertisements

Accommodations available

Victoria Properties - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and

send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max Ports West, Victoria, BC.

Enjoy an English style bed and breakfast (single, \$35) at "Ty Mawr", three short blocks from the University and Hospital. (403) 432-7845.

Rent - Three bedroom house, furnished, two bathrooms, single car garage. Parkallen (walking distance to University). Eleven months beginning September. We will be on sabbatical leave. 438-3012.

Rent - Furnished, Heritage, sabbatical home, Groat Estates. July/August approximately one year. Near University. Five bedrooms, four washrooms, family room, library, den, fireplaces. \$1,500/month; car, computer negotiable. 492-5538, 454-6268.

Rent - Executive house on Saskatchewan Drive. Nonsmokers preferred, no pets. One year lease required. \$1,700 per month. Call 437-7532.

Rent - Family home, June 1990-September 1991. Four bedrooms, triple garage, piano, organ. Bearspaw, 437-4242.

Rent - Strathcona, two bedroom suite, lower duplex. Hardwood floors. Quiet couple preferred, nonsmokers. 1 June, \$450. 433-9796.

Lease - New, custom designed, energy efficient, three bedroom, furnished house. Riverdale, on bike route. Close to downtown, University, schools. \$1,200. September 1990. 429-4277.

Rent - Bearspaw, immaculate, neutral decor, four level split. Four bedrooms, family room with fireplace, 1,920'. One year lease, \$1,100. Western Relocation, 434-4629.

Rent - Southwest, four bedroom, fully furnished house. Family room, large patio, fireplace. One year lease. 437-2975 after 6 pm.

Sale - Inglewood gem! 1,630 square foot, three bedroom, two storey. Immaculate, hardwood floors, family room with fireplace, island kitchen, large 12 1/2% assumable mortgage. Hugh Moncrieff, Re/Max Real Estate. Phone 438-1575.

Sale - Immaculate home, six blocks south of University, 111 Street 77 Avenue. Asking \$128,000. Call Karim, 428-3841 (office), 433-3163 (residence).

Sale - Eight acres adjacent to nature sanctuary. 2,400' home with large birch and pine, built for easy living. One mile from Devonian Botanic Garden near Grammin school. Ron Pollock, 962-2412.

Sale - 10955 66 Avenue. Three bedroom, 1,205 square foot semibungalow. One bath, single garage, large fenced south yard, European kitchen, sunshine ceiling. Newer walks, roof. After 7 pm weekends, 436-1493.

Housesitter required 4 July-11 August. Close to University. Two friendly cats. References required. Phone 438-4728 after 6 pm.

Sale - Ravine property, overlooks river valley and Riverside golf course. Cozy bungalow. For details, call Chris Tenove, 436-5250, 433-5664, Spencer Realty.

Sale - Four lots, Riverbend and Windermere areas. \$69,500 up. Call Chris Tenove, 436-5250, 433-5664, Spencer Realty.

Sale - University area, large, older two storey with suite. 73 Avenue 106 Street. \$109,000. 436-2507.

Sale - Lendum, charming two storey. Three fireplaces, balcony, sundeck, double/single garage, finished basement. 5204 114 Street. \$154,900. 435-5453.

Sale - Parkallen, three bedroom semi. Fireplace, developed basement, great location. Asking \$104,500. Royal LePage Realty, 437-7480, 446-3800, Ed Lastiwka.

Sale - University area, semibungalow. Belgravia, three bedrooms, fireplace, south backyard, excellent location. \$109,500. Royal LePage Realty, Ed Lastiwka, 437-7480, 446-3800.

Sublet - Furnished bedroom apartment overlooking campus. Late May/June-August. \$525. 432-7608.

Accommodations wanted

Wanted to rent - Smaller home or condo, south side preferred, by professional woman. Nonsmoker. Long term if suitable. References. Occupancy date negotiable. Evenings, 433-2913.

Professional couple; two small children, looking for three bedroom plus home. One or two year lease. Clean, dependable. References. The Prestons, 454-5175.

Visiting Norwegian scientist (four persons) needs furnished 2/3 bedroom apartment/house. One year from 1 September. Contact Ian or Dennis, 435-7349.

Goods for sale

Cash paid for appliances, 432-0272.

The Edmonton Book Store specializes in books for the University community. Quality books bought and sold every day; just a short walk from campus, 8530 109 Street. Call 433-1781.

Sharp QA-25 computer projection panel, IBM compatible, RGB port required. Display computer output on wall screen with overhead projector. Phone 463-7566, 471-5143. Leave name, number; will return call. \$600 obo.

Back issues, \$3, Canadian Journal of Comparative Literature. 432-7608.

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David Richards Carpentry. Certified journeyman NAIT. Complete interior and exterior residential renovations including plumbing and electrical. References available. 437-0794. Complete drywall services, also some

interior plaster repairs, finest possible workmanship guaranteed. Stan, 479-6640 after 5pm. 459-5084.

Nanny wanted by professional couple.

Four year old girl. Lois, 438-3062. Sacred circle dance, Strawberry Creek Lodge, 8, 9 and 10 June. Phone 434-3858.

Trees, Maintenance and Care: specializing in tree and shrub planting, pruning and removal, yard cleanups. Quality work, reasonable rates. Roger, 466-4231 (messages).

Relaxation Management Seminar. Learn simple techniques for coping with stress: centering, focusing, visualization, meditation. 10 May, 1-4 pm. Registration: Training and Development, 492-4660.

Groceries Delivered: Tired of long line ups and wasted shopping time? Let us get your groceries and deliver them. Call 424-1871; place your order with Greg/Virginia or leave message.

Editing MSS, research and word processing by PhD candidate (humanities). Project terms possible, 432-7608.

India, 18 October-13 November, 1990 (tent). A 25 day tour emphasizing South India.

Comprehensive cost (minor exceptions) is \$4,250. For more information, E Reinhold, Vista Travels. Phone 433-3533.

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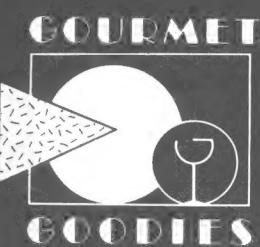
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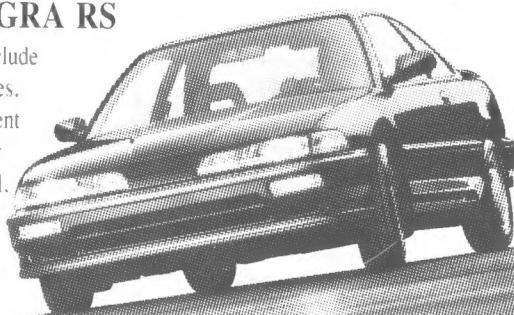
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